L35 ANSWER 257 OF 272 HCAPLUS COPYRIGHT 2006 ACS on STN
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TITLE: Cyclosporin C from Tolypocladium or Cylindrocarpon
INVENTOR(S): Ruegger, Artur; Kuhn, Maz
PATENT ASSIGNEE(S): Sandoz A.-G., Switz.
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PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CA 1106303	A2	19810804	CA 1980-353123	19800530
CH 614931	A	19791228	CH 1975-14195	19751104
GB 1567202	A	19800514	GB 1979-19922	19761102
CA 1087609	A1	19801014	CA 1976-264703	19761102
AT 7807681	A	19810315	AT 1978-7681	19781027
AT 364453	B	19811027		
AT 7807682	A	19810315	AT 1978-7682	19781027
AT 364454	B	19811027		
FI 8002084	A	19800630	FI 1980-2084	19800630
FI 60718	B	19811130		
FI 60718	C	19820310		
AU 8063565	A1	19810416	AU 1980-63565	19801021
AU 541682	B2	19850117		
DK 8502770	A	19850619	DK 1985-2770	19850619

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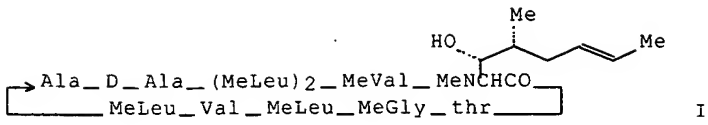
CH 1975-14195	A	19751104
CA 1976-264703	A3	19761102
DK 1976-4831	A	19761026
FI 1976-3049	A	19761026
AU 1976-19262	A	19761102
GB 1976-45485	A	19761102

GI



I

AB Cyclosporin C (I) [59787-61-0] is obtained by cultivation of T. inflatum or C. lucidum and isolation from the fermentation broth by chromatog.; I is active against Aspergillus niger and has greater polarity than cyclosporins A and B. Thus, a culture broth obtained by aerobic fermentation of T. inflatum NRRL 8044 was extracted by an equal volume of BuOAc and the organic phase was separated and concentrated under vacuum. After defatting, the resulting material was dissolved in CHCl3 and chromatographed on silica gel 60, using CHCl3 with increasing amts. of MeOH as eluant. The fractions eluted with CHCl3 + 3% MeOH and containing I were combined and the chromatog. purification repeated after evaporation of the combined fractions at 20-40°, the residue was treated with a mixture of alc. containing 5% charcoal followed by filtration and evaporation at 20-40° and then drying under vacuum at 55°. Final purification comprised dissolving the residue in ether and precipitating out I by shaking the mixture with hexane. The precipitate was collected on cooling and washed with cold hexane followed by drying under vacuum. From a 2.5-fold amount of Me2CO, the residue afforded at -15° colorless prismatic needles of I: m.p. = 152-155°; [α]D20 = -255° (c = 0.5, CHCl3); [α]D20 = -182° (c = 0.5, MeOH).

IT **59787-61-0P**
RL: BMF (Bioindustrial manufacture); BIOL (Biological study); **PREP (Preparation)**
(manufacture of, separation and purification in)

RN 59787-61-0 HCAPLUS
CN Cyclosporin C (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

i-Pr

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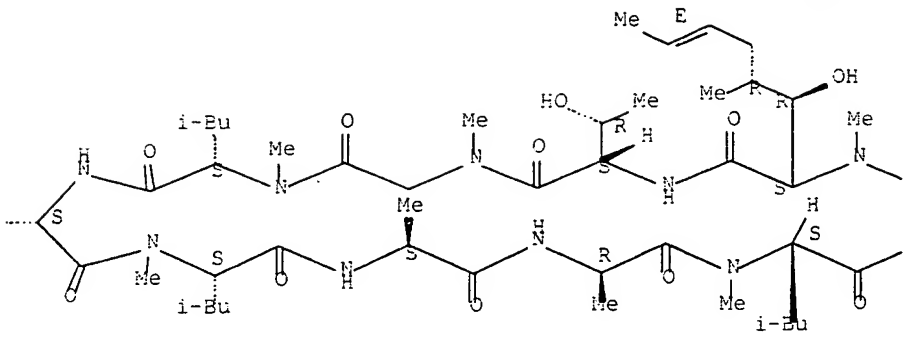

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